

REMARKS

Claims 1, 2 and 4-17 have been amended and claim 3 has been canceled. Claims 1, 2 and 4-17 are pending in the present application. Applicants reserve the right to pursue the original claims and other claims in this application and in other applications.

Claims 1-3, 7 and 15 are objected to based on informalities such as grammar, punctuation and proper tense. Claims 1-17 stand rejected under 35 U.S.C. § 112, second paragraph, as being indefinite. The objection and rejection are respectfully traversed.

Claims 1, 2 and 4-17 have been amended. Claim 3 has been canceled to further the prosecution of the application. The concerns raised in the Office Action have been addressed by these amendments. Accordingly, Applicants respectfully submit that the objection and rejection should be withdrawn and the claims allowed.

Claims 1-5 stand rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent Publication 2002/0134150 to Shih (hereinafter "Shih"). The rejection is respectfully traversed.

Claim 1 recites a wireless communication function equipped sensor. The sensor comprises a sensor unit comprising at least one physical quantity detection device, which detects a physical quantity of a detection object, an electric power generator, an electric power charging device which is charged by electric power generated by said electric power generator, a processing device which processes detection results from said at least one physical quantity detection device, a wireless transmitting device which transmits said detection results to a wireless communication device by wireless signals, and a wireless receiving device which receives wireless signals from said wireless communication device. According to claim 1, the sensor

unit, processing device, wireless transmitting device and wireless receiving device are activated intermittently using electric power charged by said electric power charging device. Moreover, "said wireless receiving device is activated after the transmitting device is activated."

According to the present invention, the claimed wireless communication function equipped sensor of claim 1 can receive wireless signals from a wireless communication device without continually setting the wireless receiving device in the standby mode. In this manner, electric power consumption can be dramatically reduced. Shih, on the other hand, discloses an automatic car tire pressure detecting apparatus. The Shih apparatus comprises an emission means 1 having an emission end 12 (a wireless transmission interface) and a receiving means 2 including a receiving end 22 (receiver). When the electric current in the Shih apparatus is positive, the emission end 12 is activated. Applicants respectfully note, however, that the Shih apparatus comprises two separate components 1, 2; the transmission interface 12 and receiving means 2 being mounted separately in the components.

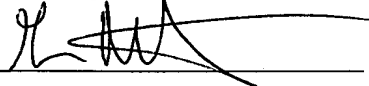
According to the claimed invention, the wireless communication function equipped sensor comprises a sensor unit for detecting the physical quantity of the detection object, a wireless transmitting device and a wireless receiving device. The wireless transmitting device and a wireless receiving device are contained in the same apparatus. Moreover, the wireless receiving device is activated after the transmitting device is activated. As such, the claimed invention is patentable over Shih.

Claims 3-5 depend from claim 1 and are allowable along with claim 1. Claim 2 contains similar limitations as claim 1 and is allowable for at least the same reasons as claim 1. Accordingly, the rejection should be withdrawn and the claims allowed.

In view of the above amendment, Applicants believe the pending application is in condition for allowance.

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Respectfully submitted,

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